

JC06 Rec'd PCT/PTO 19 SEP 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

**ATTORNEY'S DOCKET NUMBER
PAP1.PAU.02.US**

**U.S. APPLICATION NO. (if known) see 37 CFR 1.5)
107550375
Unknown**

| | | |
|--|---|-------------------------------|
| INTERNATIONAL APPLICATION NO. PCT/GR2004/000037 | INTERNATIONAL FILING DATE 29 June 2004 | PRIORITY DATE 30 June 2003 |
|--|---|-------------------------------|

**TITLE OF INVENTION
METHOD AND APPARATUS FOR MULTI-ACTIVATION OF IONS AND ATOMS WITH AMR AND EPR**

**APPLICANT(S) FOR DO/EO/US
Panagiotis T. Pappas**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C.)
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) Unknown 107550575 | INTERNATIONAL APPLICATION NO. PCT/GR2004/000037 | ATTORNEY'S DOCKET NUMBER PAP1.PAU.02.US |
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20. Other items or information:

(1) PCT Request; (2) Certificate of Mailing by "Express Mail"; and (3) return receipt postcard.

Express Mail #EV380079075US

A copy of the International Search Report (PCT/ISA/210)

| The following fees are submitted: | | | | CALCULATIONS | PTO USE ONLY |
|--|--------------|---|------------|------------------------|--------------|
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) | | | | \$ \$300.00 | |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations. \$200 | | | | \$ \$200.00 | |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500 | | | | \$ \$400.00 | |
| TOTAL OF 21, 22 and 23 = | | | | \$ \$900.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 27 - 100 = | 0 /50 = | 0 | x \$250.00 | \$ \$0.00 | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | | | |
| • CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 14 - 20 = | 0 | x \$50.00 | \$ \$0.00 | |
| Independent | 3 - 3 = | 0 | x \$200.00 | \$ \$0.00 | |
| Multiple Dependent Claims (if applicable) <input type="checkbox"/> | | | + \$360.00 | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ \$900.00 | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | \$ \$450.00 | |
| SUBTOTAL = | | | | \$ \$450.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | + \$ | |
| TOTAL NATIONAL FEE = | | | | \$ \$450.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per | | | | + \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ \$450.00 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |

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- a. A check in the amount of \$450.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account _____ in the amount of _____ to cover the above fees.
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- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 01-1960. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

Vic Lin
NAME

43,754
REGISTRATION NUMBER

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Panagiotis T. Pappas

Docket No.

PAP1.PAU.02.US

Serial No.
Unknown
10/550375Filing Date
HerewithExaminer
UnknownGroup Art Unit
Unknown

Invention: METHOD AND APPARATUS FOR MULTI-ACTIVATION OF IONS AND ATOMS WITH AMR AND EPR

I hereby certify that the following correspondence:

Transmittal Letter; Copy of the International Application as filed; Oath and Declaration of the inventor; PTO/SB08 with 10 cited references; Preliminary Amendment; Copy of the PCT Request; Check no. 12150 in the amount of \$450.00; Copy of the International Search Report; return postcard

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

09/19/2005

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